

CLAIMS

What is claimed is:

1 1. A method for dynamically changing attributes in an embedded-SQL application, the
2 method comprising the steps of:

3 (a) providing an option within a standard SQL statement for specifying one or more
4 attributes of at least a declared cursor; and

5 (b) processing the standard SQL statement to include the specified one or more
6 attributes in at least the declared cursor.

7 2. The method of claim 1 wherein the option providing step (a) further comprises the
8 steps of (a1) providing an ATTRIBUTES option.

9 3. The method of claim 2 wherein option providing step (a) further comprises the steps
10 of (a2) providing an option within a PREPARE SQL statement.

11 4. The method of claim 3 wherein the processing step (b) further comprises the steps
12 of (b1) parsing the ATTRIBUTES option.

1 5. The method of claim 4 further comprising the step of (c) resolving conflicting and
2 duplicate attributes.

1 6. The method of claim 5 further comprising the step of (c) placing resolved attributes
2 in a parse tree.

1 7. The method of claim 1 further comprising the step of (c) utilizing the one or more
2 attributes in a concatenated string for a dynamic cache system of a database server.

1 8. A system for dynamically changing attributes in an embedded-SQL application, the
2 system comprising:

3 at least one computer processing device; and

4 a database management system installed on the at least one computer processing
5 device, the database management system supporting provision of an option within a standard
6 SQL statement for specifying one or more attributes of at least a declared cursor, and
7 processing of the standard SQL statement to include the specified one or more attributes in
8 at least the declared cursor.

9 9. The system of claim 8 wherein provision of an option further comprises provision
2 of an ATTRIBUTES option.

1 10. The system of claim 9 wherein provision of an option further comprises provision
2 of an option within a PREPARE SQL statement.

1 11. The system of claim 10 wherein processing further comprises parsing the
2 ATTRIBUTES option.

1 12. The system of claim 11 wherein the database management system further supports
2 resolution of conflicting and duplicate attributes.

1 13. The system of claim 12 wherein the database management system further supports
2 placement of resolved attributes in a parse tree.

1 14. The system of claim 8 wherein the database management system further supports
2 utilization of the one or more attributes in a concatenated string for a dynamic cache system of
3 a database server.

1 15. A computer readable medium containing program instructions for dynamically
2 changing attributes in an embedded-SQL application, the program instructions comprising:
3 providing an option within a standard SQL statement for specifying one or more
4 attributes of at least a declared cursor; and
5 processing the standard SQL statement to include the specified one or more attributes
6 in at least the declared cursor.

1 16. The program instructions of claim 15 wherein providing an option further
2 comprises providing an ATTRIBUTES option.

1 17. The program instructions of claim 16 wherein providing an option further
2 comprises providing an option within a PREPARE SQL statement.

1 18. The program instructions of claim 17 wherein processing further comprises parsing
2 the ATTRIBUTES option.
3

1 19. The program instructions of claim 18 further comprising resolving conflicting and
2 duplicate attributes.

1 20. The program instructions of claim 19 further comprising placing resolved
2 attributes in a parse tree.